

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A system for monitoring a dilution of a first fluid into a commodity of said system; said system comprising;

said commodity having a preestablished distinguishing parameter (DP2);

a first fluid supply reservoir having said first fluid therein, said first fluid having a preestablished distinguishing parameter (DP1) being different from said preestablished distinguishing parameter (DP2) of said commodity;

a monitoring fluid having a preestablished distinguishing parameter (DP3) being different from said preestablished distinguishing parameter (DP2) of said commodity and said preestablished distinguishing parameter (DP1) of said first fluid, wherein at least one of commodity preestablished distinguishing parameter (DP2), first fluid preestablished distinguishing parameter (DP1), and monitoring fluid preestablished distinguishing parameter (DP3) is a light emission parameter;

an apparatus having at least one of a plurality of components making up said apparatus, said apparatus being operated in a preestablished cycle; and

a monitoring station having at least one of a display monitor and a recording device, said monitoring station having a device having the capability to distinguish at least two of said preestablished distinguishing parameter (DP3) of said monitoring fluid from said preestablished distinguishing parameter (DP2) of said commodity and said preestablished distinguishing parameter (DP1) of said first fluid.

2. (Currently Amended) The monitoring system of claim 1, wherein said light emission parameter is a wavelength ~~preestablished distinguishing parameter (DP2)~~ of said commodity, ~~said first fluid and said monitoring fluid being a wave length excited from said monitoring fluid by a source.~~

3. (Currently Amended) The monitoring system of claim 1, wherein said commodity being in one of a solid, liquid and or gaseous state.

4. (Currently Amended) The monitoring system of claim 1, wherein said first fluid being in one of a solid, liquid, and or gaseous state.

5. (Currently Amended) The monitoring system of claim 1, wherein said monitoring fluid being in one of a solid, liquid, and or gaseous state.

6. (Currently Amended) A system for monitoring a dilution of a first fluid into a second fluid of an apparatus, said apparatus having a plurality of components and at least one of said components being movable relative to another one of said ~~at least one of said~~ components during a cycle of said apparatus; said system for monitoring a dilution comprising:

a first fluid having a preestablished distinguishing parameter (DP1) and being stored in a first fluid storage reservoir;

a second fluid having a preestablished distinguishing parameter (DP2) being different from said preestablished distinguishing parameter (DP1) of said first fluid and being stored in a second fluid storage reservoir, said first fluid storage reservoir being separated from said second fluid storage reservoir;

a monitoring fluid being stored in one of said first fluid storage reservoir ~~and~~ or said second fluid storage reservoir, said monitoring fluid having a preestablished distinguishing parameter (DP3) being different from said preestablished distinguishing parameter (DP1) of said first fluid and said preestablished distinguishing parameter (DP2) of said second fluid, wherein at least one of second fluid preestablished distinguishing parameter (DP2), first fluid preestablished distinguishing parameter (DP1), and monitoring fluid preestablished distinguishing parameter (DP3) is a light emission parameter ; and

a monitoring station.

7. (Original) The system of claim 6, wherein said monitoring fluid being stored in said first fluid storage reservoir.

8. (Original) The system of claim 7, wherein said monitoring station having a device therein distinguishing said preestablished distinguishing parameter (DP1) of said first fluid from said preestablished distinguishing parameter (DP1) of said second fluid.

9. (Currently Amended) The system of claim 8, wherein said monitoring station has at least one of a display monitoring device and a recording device therein.

10. (Currently Amended) The system of claim 8, wherein said monitoring station has each of a display monitoring device and a recording device.

11. (Currently Amended) The system of claim 6, wherein said monitoring fluid being a fluorescent dye.

12. (Currently Amended) The system of claim 11, wherein each of said preestablished distinguishing parameter (DP3) of said monitoring fluid, said preestablished distinguishing parameter (DP1) of said first fluid and said preestablished distinguishing parameter (DP2) of said second fluid being a measurement of an emission from said fluorescent dye.

13. (Currently Amended) The system of claim 12, wherein said fluorescent dye has a predetermined frequency of emitting a light being outside a range of frequency of emitting said light of said second fluid.

14. (Currently Amended) The system of claim 12, wherein said fluorescent dye has a predetermined frequency of emitting a light being outside a range of frequency of emitting said light of said first fluid and said second fluid.

15. (Currently Amended) A method of monitoring a diluting of a commodity, said method comprising:

having ~~the~~ a commodity storage reservoir, having a commodity therein, said commodity having a predetermined distinguishing parameter (DP2);

having a first fluid storage reservoir having a first fluid therein, said first fluid having a predetermined distinguishing parameter (DP1) being different from said predetermined distinguishing parameter (DP2) of said commodity wherein at least one of commodity predetermined distinguishing parameter (DP2) and first fluid predetermined distinguishing parameter (DP1) is a light emission parameter;

having an apparatus being connected to said first fluid storage reservoir and being connected to said commodity; and

having a monitoring station being in operational communication with said commodity, said monitoring station having a device therein distinguishing between one of said predetermined distinguishing parameter (DP1) of said first fluid and said predetermined distinguishing parameter (DP2) of said commodity.

16. (Original) The method of claim 15 including a monitoring fluid having a predetermined distinguishing parameter (DP3) being different from said predetermined distinguishing parameter (DP2) of said commodity.

17. (Currently Amended) The method of claim 16, wherein said predetermined distinguishing parameter (DP3) of said monitoring fluid being different from said predetermined distinguishing parameter (DP1) of said first fluid.

18. (Currently Amended) The method of claim 17, wherein said predetermined distinguishing parameter (DP3) of said monitoring fluid being a measurement of light emitted from said monitoring fluid.

19 (Currently Amended) The method of claim 18, wherein said monitoring fluid being a fluorescent dye.

20 (Currently Amended) The method of claim 15, wherein said monitoring station having at least one of a display monitor and a recording device.